

30509S~1.TXT
SEQUENCE LISTING

<110> WANG, XUEMIN
YONGMING, SANG

<120> DROUGHT TOLERANT PLANTS AND METHODS OF INCREASING DROUGHT TOLERANCE IN PLANTS

<130> 30509

<160> 2

<170> PatentIn version 3.0

<210> 1

<211> 783

<212> DNA

<213> Arabidopsis thaliana

<400> 1
tggtccaaga gaccacgatg tgtggaatgt ccaattgttt aggtccattg atggaggagc 60
tgctgctggg tttcccagat cgcctgaagc tgctgcggaa gccgggcttg tacagtggga 120
aagataacat cattgatagg agtatccaag atgcttacat tcatgcaatc agacgtgcta 180
aggatttcat ctacgttgaa aaccagtact tccttgggag ttcttttgct tgggcagccg 240
atggtattac tcctgaggac atcaatgccc tgcacttaat cccaaaagag ttgtcgctga 300
agatagttag caagattgat caaggagaga agttcagggt ctatgtttgtg gttccaatgt 360
ggccagaagg tctcccagag agtggatcag tgcaagctat attagactgg cagaggagga 420
ccatggagat gatgtacaag gatgtgattc aggtctctcaa gggctcttgag ggcccggaag 480
atccaagaaa ctatctgaca ttcttctgtc ttggaaaccg tgaggtcaag aaagatggag 540
agtatgagcc tgctgagaaa ccagaccccg aactgatta catgagggcg caagaagcac 600
gccgtttcat gatttacgtc cacacaaaaa tgatgatcgt tgacgatgaa tacattatca 660
ttgggtctgc taacatcaac cagagggtcaa tggacggtgc aagagactct gagatagcaa 720
tgggaggtta tcaaccacat cacttgtccc atagacaacc agctcgtggc cagatccatg 780

ggt

783

<210> 2

<211> 2808

<212> DNA

<213> Ricinus communis

<400> 2

```

cttcgtttca cattctctgt actttttacga ttacgcgcac acaaaattat tttatttgat    60
atatacatat acacggagct aagatcggat cagatcacag aaattctctc attctcagat    120
ctctctctgt ttctcttcat catcataaat ttacaagtga gaaatggcgc agatatcttt    180
gcacggaact ctacatgtaa cgatctatga ggtggataag cttcacagcg gaggtggtcc    240
ccacttcttt cgtaagcttg ttgaaaatat tgaggagaca gttgggttttg gcaaaggagt    300
tagtaaaactc tatgcaacta ttgacctaga aaaggctaga gttgggagga ctagaatact    360
ggaaaatgaa caatccaacc ccaggtggta tgagtccttt cacgtttatt gtgctcatca    420
ggcttcaaat gtaatattca cagtcaagga tgataatcct attggggcca ccttaattgg    480
aagagcatat gtaccagttg aagagctcct agatggagaa gagatagata ggtgggttga    540
gatattggat gaagacaaga accccgtcca tagtggttct aagatccatg tgaaactgca    600
gtactttgag gttaccaagg accgttaactg gggacagggt atcagaagtt caaaatatcc    660
tgaggtacct tatacatact tctcgcagag acaaggatgt aaggtttctc tctaccaaga    720
tgctcatatt ccagacaaat ttgttcctca aattcctctt gctggaggca attactatga    780
gcctcacagg tgctgggaag atgtttttga tgcaattacc aatgcaaaac acttgatcta    840
catcactggc tggctctgttt atactgaaat ctcttaata agggactcga ggaggccaaa    900
gccaggagga gatatcacc taggtgagct gcttaagaag aaggcaagtg aagggtgtag    960
ggtccttatg ctggtgtggg atgacagaac ctccgttggt ttattgaaa aggatggact   1020
catggcaact catgatgagg agactgaaca tttcttccag aatactgatg tgcattgtgt   1080
gctgtgtcct cgaaatcctg atgatggtgg aagctttggt caggatctac aaatctctac   1140
tatgttcact catcaccaga agattgtggt ggtggacagt gcaatgccta atggagattc   1200
gcagaggagg agaattgtca gttttgttgg gggctctcgac ctctgtgatg ggagatatga   1260
ttccccattc cattcccttt tcaggacact ggattcggca caccatgatg attttcatca   1320
gccaactttt gctggtgctt caattgaaa aggtgggtcca agagaacctt ggcattgacat   1380
ccactccaga cttgaaggac caattgcttg ggatgttttg ttttaatttg agcagagatg   1440
gagaaagcaa ggtggtaaag acctgctcat tcagctgaga gaactagaag atgttatcat   1500

```

30509S~1.TXT

tcccccatct cctgttatgt atcctgatga ctttgaggca tggaatgtcc agttgttttag	1560
atccattgat ggtggagctg catttggttt ccctgagaca cctgaagatg cgccagaggc	1620
tgggcttgct agtggaagg ataacatcat tgaccgaagt attcaggatg cttatatcca	1680
tgccattcga agggcaaaga attttattta tattgaaaat cagtatttcc ttggaagttc	1740
ttttggttgg agtcctgatg gtattaagcc tgaggatatt aatgcactgc atctaatacc	1800
caaggaactt tcaactcaaga tacttagcaa gattgcggca ggggagaggt tcaactgttta	1860
cattgttggt ccaatgtggc cagagggat accagagagt gcatcagttc aggctatatt	1920
agattggcag aagaggacaa tggaaatgat gtataaagat attgtgcagg ctctcaaagc	1980
caatggaatt attgaggatc ctcggaacta tctgacattc ttctgccttg gtaaccgcga	2040
agtgaagaag agtggtgaat atgaacctgc agaaaaacca gagcctgata cagactatat	2100
aagagctcag gaggccagac gtttcatgat ttatgttcat acaaagatga tgattgtcga	2160
tgatgagtac attataattg gatctgcaa catcaaccag agatcaatgg atggtgctag	2220
agactccgaa atagccatgg gagcctatca accacatcac ttgtcaacca ggcagccagc	2280
acgaggtcag atccatggtt tccgtatgtc attatggtac gaacacctg gcatgctcga	2340
cgagtcattc cttaatccag aaagtgagga gtgtgtcaga aaggtaacc agatggcaga	2400
aaaatattgg gatctctatt caagcgagac actggaacat gacctacctg gtcatttgct	2460
ccggtatcct attggggtcg ctagtgaagg agatgtcaca gagctccctg gaaccgagtt	2520
tttccctgac acgaaggctc gtgttctagg tgctaaatcc gattaccttc ctcccatcct	2580
gacaacttaa tggaactcta agcagttctc gaagaattac ctgccttgcc agcccattta	2640
tgttactagt tgtagccaga aaataaatca tgtatcgcca ttctatccat aatgtttttg	2700
tgccaggatt ggggtatcag gattgacaga tgtgtcactg ctgtggtgtg gtgtgatgct	2760
gtctatgttg aactttgttt atctaatacca tgtctttttc tacaaaac	2808